

Attach To Paper #7

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Attorney Docket No.: SCRIP1160-4	Application No.: 09/500,700
	Applicant: Barbas III et al.	
	Filing Date: February 9, 2000	Group: 1636

Reference Designation	U.S. PATENT DOCUMENTS	Page 1
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Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
AA	6,013,453	1/11/2000	Choo et al.			
AB	6,007,988	12/28/99	Choo et al.			
AC	6,001,885	12/14/99	Vega et al.			
AD	5,939,538	08/17/99	Leavitt et al.			
AE	5,916,794	6/29/99	Chandrasegaran			
AF	5,871,907	2/16/99	Winter et al.			
AG	5,871,902	2/16/99	Weininger et al.			
AH	5,869,618	2/9/99	Lippman et al.			
AI	5,792,640	8/11/98	Chandrasegaran			
AJ	5,702,914	12/30/97	Evans et al.			
AK	5,674,738	10/7/97	Abramson et al.			
AL	5,639,592	6/17/97	Evans et al.			
AM	5,498,530	3/12/96	Schatz et al.			
AN	5,487,994	1/30/96	Chandrasegaran			
AO	5,436,150	7/25/95	Chandrasegaran			
AP	5,356,802	10/18/94	Chandrasegaran			
AQ	5,348,864	9/20/94	Barbacid			
AR	5,324,819	6/28/94	Oppermann et al.			
AS	5,302,519	4/12/94	Blackwood et al.			
AT	5,223,409	6/29/93	Ladner et al.			
AU	5,096,814	3/17/92	Aivasidis et al.			

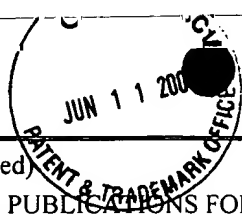
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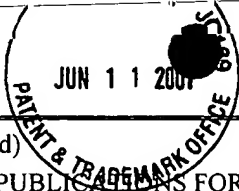
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AW	WO 98/53060	11/26/98	PCT			
AX	WO 98/53059	11/26/98	PCT			
AY	WO 98/53058	11/26/98	PCT			
AZ	WO 98/53057	11/26/98	PCT			
BA	WO 97/27213	7/31/97	PCT			
BB	WO 97/27212	7/31/97	PCT			
BC	WO 96/32475	10/17/96	PCT			
BD	WO 96/20951	7/11/96	PCT			
BE	WO 96/11267	4/8/96	PCT			
BF	WO 96/06166	2/29/96	PCT			
BG	WO 96/06110	2/29/96	PCT			



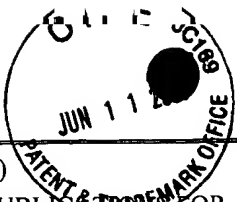
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			Filing Date: February 9, 2000		Group: 1636	
ADD BH	WO 95/19431	7/25/95	PCT			
ADD BI	EP 875 567	11/4/98	Europe			
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
ADD BJ	Anato et al., "A thermodynamic study of unusually stable RNA and DNA hairpins," <u>Nuc. Acids. Res.</u> , 19(21):5901-5905 (1991).					
ADD BK	Barbas, C. F., "Recent advances in phage display," <u>Curr. Opin. Biotech.</u> , 4:526-530 (1993).					
ADD BL	Barbas et al., "Assembly of combinatorial antibody libraries on phage surfaces: The gene III site," <u>PNAS</u> , 88:7978-7982 (1991).					
BM	Berg, J. M., "DNA Binding Specificity of Steroid Receptors," <u>Cell</u> , 57:1065-1068 (1989).					
BN	Berg, J. M., "Sp1 and the subfamily of zinc finger proteins with guanine-rich binding sites," <u>PNAS</u> , 89:11109-11110 (1992).					
BO	Berg et al., "The Galvanization of Biology: A Growing Appreciation for the Roles of Zinc," <u>Science</u> , 271:1081-1085 (1996).					
BP	Berg, J.M., "Letting your fingers do the walking," <u>Nature Biotechnology</u> , 15:323 (1997)					
BQ	Cheng et al., "Identification of Potential Target Genes for Adr1p through Characterization of Essential Nucleotides in UAS1," <u>Mol. Cellular Biol.</u> , 14(6):3842-3852 (1994).					
BR	Cheng et al., "A Single Amino Acid substitution in Zinc Finger 2 of Adr1p Changes its Binding Specificity at two Positions in UAS1," <u>J. Mol. Biol.</u> , 251:1-8 (1995)					
BS	Choo et al., "A role in DNA binding for the linker sequences of the first three zinc fingers of TFIIIA," <u>Nuc. Acids Res.</u> , 21(15):3341-3346 (1993).					
BT	Choo et al., "Designing DNA-binding proteins on the surface of filamentous phage," <u>Curr. Opin. Biotechnology</u> , 6:431-436 (1995).					
BU	Choo et al., "Promoter-specific Activation of Gene Expression Directed by Bacteriophage-selected Zinc Fingers," <u>J. Mol. Biol.</u> , 273:525-532 (1997).					
BV	Choo et al., "In vivo repression by a site-specific DNA-binding protein designed against an oncogenic sequence," <u>Nature</u> , 372:642-645 (1994).					
BW	Choo et al., "Physical basis of a protein-DNA recognition code," <u>Curr. Opin. Struct. Biol.</u> , 7(1):117-125 (1997)					
BX	Choo et al., "Toward a code for the interactions of zinc fingers with DNA: Selection of randomized fingers displayed on phage," <u>PNAS</u> , 91:11163-11167 (1994).					
BY	Choo et al., "Selection of DNA binding sites for zinc fingers using rationally randomized DNA reveals coded interactions," <u>PNAS</u> , 91:11168-11172 (1994)					
BZ	Corbi, N. <i>et al.</i> , "Synthesis of a New Zinc Finger Peptide; Comparison of its 'Code' Deduced and 'CASTing' Derived Binding Sites," <u>FEBS Letters</u> , 417:71-74 (1997).					
CA	Desjarlais et al., "Length-encoded multiplex binding site determination: Application to zinc finger proteins," <u>PNAS</u> , 91:11099-11103 (1994).					
CB	Desjarlais et al., "Use of a zinc-finger consensus sequence framework and specificity rules to design specific DNA binding proteins," <u>PNAS</u> , 90:2256-2260 (1993)					
CC	Desjarlais et al., "Toward rules relating zinc finger protein sequences and DNA binding site preferences," <u>PNAS</u> , 89(16):7345-7349 (1992)					
CD	Desjarlais et al., "Redesigning the DNA-Binding Specificity of a Zinc Finger Protein: A Data Base-Guided Approach," <u>Proteins: Structure, Function, and Genetics</u> , 12(2):101-104 (1992)					
CE	Desjarlais et al., "Redesigning the DNA-Binding Specificity of a Zinc Finger Protein: A Data Base-Guided Approach," <u>Proteins: Structure, Function, and Genetics</u> , 13:272 (1992)					
ADD CF	DiBello et al., "The Drosophila Broad-Complex Encodes a Family of Related Proteins Containing Zinc Fingers," <u>Genetics</u> , 129:385-397 (1991).					



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		Filing Date: February 9, 2000	Group: 1636
AA CG	Elrod-Erickson et al., "Zif268 protein-DNA complex refined at 1.6 Å: a model system for understanding zinc finger-DNA interactions," <u>Structure</u> , 4(10):1171-1180 (1996)		
CH	Fairall et al., "The crystal structure of a two zinc-finger peptide reveals an extension to the rules for zinc-finger/DNA recognition," <u>Nature</u> , 366:483-487 (1993)		
CI	Frankel et al., "Fingering Too Many Proteins," <u>Cell</u> , 53:675 (1988).		
CJ	Friesen et al., "Phage Display of RNA Binding Zinc Fingers from Transcription Factor IIIA*," <u>J. Biological Chem.</u> , 272(17):10994-10997 (1997).		
CK	Gogos et al., "Recognition of diverse sequences by class I zinc fingers: Asymmetries and indirect effects on specificity in the interaction between CF2II and A+T-rich sequence elements," <u>PNAS</u> , 93(5):2159-2164 (1996)		
CL	Gossen et al., "Tight control of gene expression in mammalian cells by tetracycline-responsive promoters," <u>PNAS</u> , 89:5547-5551 (1992)		
CM	Greisman et al., "A General Strategy for Selecting High-Affinity Zinc Finger Proteins for Diverse DNA Target Sites," <u>Science</u> , 275:657-561 (1997)		
CN	Hamilton et al., "High affinity binding sites for the Wilms' tumor suppressor protein WT1," <u>Nuc. Acids Res.</u> , 23(2):277-284 (1995).		
CO	Hanas et al., "Internal deletion mutants of <i>Xenopus</i> transcription factor IIIA," <u>Nuc. Acids Res.</u> , 17(23):9861-9870 (1989).		
CP	Heinzel et al., "A complex containing N-CoR, mSin3 and histone deacetylase mediates transcriptional repression," <u>Nature</u> , 387:43-48 (1997).		
CQ	Isalan et al., "Synergy between adjacent zinc fingers in sequence-specific DNA recognition," <u>PNAS</u> , 94(11):5617-5621 (1997)		
CR	Jamieson et al., "A zinc finger directory for high-affinity DNA recognition," <u>PNAS</u> , 93:12834-12839 (1996)		
CS	Kamiuchi et al., "New multi zinc finger protein: biosynthetic design and characteristics of DNA recognition," <u>Nucleic Acids Symposium Series</u> , 37:153-154 (1997).		
CT	Kang, J.S. et al., "Zinc Finger Proteins as Designer Transcription Factors," <u>J. Biol. Chem.</u> , 275(12):8742-8748 (2000).		
CU	Kim et al., "Serine at Position 2 in the DNA Recognition helix of a Cys2-His2 Zinc finger Peptide is Not, in General, Responsible for Base Recognition," <u>J. Mol. Biol.</u> , 252:1-5 (1995).		
CV	Kim et al., "Site-specific cleavage of DNA-RNA hybrids by zinc finger/ <i>FokI</i> cleavage domain fusions," <u>Gene</u> , 203:43-49 (1997).		
CW	Kim et al., "A 2.2 Å resolution crystal structure of a designed zinc finger protein bound to DNA," <u>Nat. Struct. Biol.</u> , 3(11):940-945 (1996)		
CX	Kim et al., "Design of TATA box-binding protein/zinc finger fusions for targeted regulation of gene expression," <u>PNAS</u> , 94:3616-3620 (1997)		
CY	Kim et al., "Hybrid restriction enzymes: Zinc finger fusions to <i>FokI</i> cleavage domain," <u>PNAS</u> , 93:1156-1160 (1996)		
CZ	Kim et al., "Transcriptional repression by zinc finger peptides," <u>J. Biol. Chem.</u> , 272(47):29795-28000 (1997).		
DA	Klug, A., "Gene Regulatory Proteins and Their Interaction with DNA," <u>Ann. NY Acad. Sci.</u> , 758:143-160 (1995).		
DB	Klug et al., "Protein Motifs 5: Zinc Fingers," <u>FASEB J.</u> , 9:597-604 (1995).		
DC	Kothekar, V., "Computer simulation of zinc finger motifs from cellular nucleic acid binding protein and their interaction with consensus DNA sequences," <u>FEBS Letters</u> , 274(1-2):217-222 (1990).		
DD	Kriwacki et al., "Sequence-specific recognition of DNA by zinc-finger peptides derived from the transcription factor Sp1," <u>PNAS</u> , 89:9759-9763 (1992).		
DE	Liu et al., "Design of polydactyl zinc-finger proteins for unique addressing within complex genomes," <u>PNAS</u> , 94(11):5525-5530 (1997).		
AA DF	Margolin et al., "Kruppel-associated boxes are potent transcriptional repression domains," <u>PNAS</u> , 91:4509-4513 (1994).		



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662 DG	Mizushima et al., "pEF-BOS, a powerful mammalian expression vector," <u>Nuc. Acids Res.</u> , 18(17):5322 (1990).		
DH	Nakagama et al., "Sequence and Structural Requirements for High-Affinity DNA Binding by the WT1 Gene Product," <u>Molecular and Cellular Biology</u> , 15(3):1489-1498 (1995).		
DI	Nardelli et al., "Zinc finger-DNA recognition: analysis of base specificity by site-directed mutagenesis," <u>Nuc. Acids Res.</u> , 20(16):4137-4144 (1992)		
DJ	Nardelli et al., "Base sequence discrimination by zinc-finger DNA-binding domains," <u>Nature</u> , 349:175-178 (1991).		
DK	Nekludova et al., "Distinctive DNA conformation with enlarged major groove is found in Zn-finger—DNA and other protein—DNA complexes," <u>PNAS</u> , 91:6948-6952 (1994)		
DL	Orkin et al., "Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy," December 7, 1995.		
DM	Pabo et al., "Systematic Analysis of Possible Hydrogen Bonds between Amino Acid Side Chains and B-form DNA," <u>J. Biomolecular Struct. Dynamics</u> , 1:1039-1049 (1983).		
DN	Pabo, C. O., "Transcription Factors: Structural Families and Principals of DNA Recognition," <u>Ann. Rev. Biochem.</u> , 61:1053-1095 (1992).		
DO	Pavletich et al., "Crystal Structure of a Five-Finger GLI-DNA Complex: New Perspectives on Zinc Fingers," <u>Science</u> , 261:1701-1707 (1993).		
DP	Pavletich et al., "Zinc Finger-DNA Recognition: Crystal Structure of a Zif268-DNA Complex at 2.1 Å," <u>Science</u> , 252:809-817 (1991)		
DQ	Pengue et al., "Repression of transcriptional activity at a distance by the evolutionarily conserved KRAB domain present in a subfamily of zinc finger proteins," <u>Nuc. Acids Res.</u> , 22(15):2908-2914 (1994).		
DR	Pengue et al., "Transcriptional Silencing of Human Immunodeficiency Virus Type 1 Long Terminal Repeat-Driven Gene Expression by the Kruppel-Associated Box Repressor Domain Targeted to the Transactivating Response Element," <u>J. Virology</u> , 69(10):6577-6580 (1995).		
DS	Pengue et al., "Kruppel-associated box-mediated repression of RNA polymerase II promoters is influenced by the arrangement of basal promoter elements," <u>PNAS</u> , 93:1015-1020 (1996).		
DT	Pomerantz et al., "Structure-Based Design of Transcription Factors," <u>Science</u> , 267:93-96 (1995).		
DU	Pomerantz et al., "Analysis of homeodomain function by structure-based design of a transcription factor," <u>PNAS</u> , 92:9752-9756 (1995)		
DV	Rebar et al., "Zinc Finger Phage: Affinity Selection of Fingers with New DNA-Binding Specificities," <u>Science</u> , 263:671-673 (1994)		
DW	Reith et al., "Cloning of the major histocompatibility complex class II promoter binding protein affected in a hereditary defect in class II gene regulation," <u>PNAS</u> , 86:4200-4204 (1989).		
DX	Rhodes et al., "Zinc Fingers: They play a key part in regulating the activity of genes in many species, from yeast to humans. Fewer than 10 years ago no one knew they existed," <u>Scientific American</u> , 268:56-65 (1993)		
DY	Rice et al., "Inhibitors of HIV Nucleocapsid Protein Zinc Fingers as Candidates for the Treatment of AIDS," <u>Science</u> , 270:1194-1197 (1995).		
DZ	Rivera et al., "A humanized system for pharmacologic control of gene expression," <u>Nature Medicine</u> , 2(9):1028-1032 (1996)		
EA	Shi et al., "Specific DNA-RNA Hybrid Binding by Zinc Finger Proteins," <u>Science</u> , 268:282-284 (1995).		
EB	Shi et al., "DNA Unwinding Induced by Zinc Finger Protein Binding," <u>Biochemistry</u> , 35:3845-3848 (1996)		
EC	Shi et al., "A direct comparison of the properties of natural and designed finger proteins," <u>Chem. & Biol.</u> , 2(2):83-89 (1995)		
ED	Skerka et al., "Coordinate Expression and Distinct DNA-Binding Characteristics of the four EGR-Zinc Finger Proteins in Jukat T Lymphocytes," <u>Immunobiology</u> , 198:179-191 (1997).		
EE	Suzuki et al., "Stereochemical basis of DNA recognition by Zn fingers," <u>Nuc. Acids Res.</u> , 22(16):3397-3405 (1994)		
662 EF	Suzuki et al. "DNA recognition code of transcription factors in the helix-turn-helix, probe helix, hormone receptor, and zinc finger families," <u>PNAS</u> , 91:12357-12361 (1994)		



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<input checked="" type="checkbox"/> EG	Swirnoff et al., "DNA-Binding Specificity of NGFI-A and Related Zinc Finger Transcription Factors," <u>Mol. Cell Biol.</u> , 15(4):2275-2287 (1995)		
<input type="checkbox"/> EH	Taylor et al., "Designing Zinc-Finger ADR1 Mutants with Altered Specificity of DNA Binding to T in UAS1 Sequences," <u>Biochemistry</u> , 34:3222-3230 (1995)		
<input type="checkbox"/> EI	Thiesen et al., "Determination of DNA binding specificities of mutated zinc finger domains," <u>FEBS Letters</u> , 283(1):23-26 (1991).		
<input type="checkbox"/> EJ	Thukral et al., "Localization of a Minimal Binding Domain and Activation Regions in Yeast Regulatory Protein ADR1," <u>Molecular Cellular Biology</u> , 9(6):2360-2369 (1989).		
<input type="checkbox"/> EK	Thukral et al., "Two Monomers of Yeast Transcription Factor ADR1 Bind a Palindromic Sequence Symmetrically to Activate <i>ADH2</i> Expression," <u>Molecular Cellular Biol.</u> , 11(3):1566-1577 (1991).		
<input type="checkbox"/> EL	Thukral et al., "Mutations in the Zinc Fingers of ADR1 That Change the Specificity of DNA Binding and Transactivation," <u>Mol. Cell Biol.</u> , 12(6):2784-2792 (1992)		
<input type="checkbox"/> EM	Vortkamp et al., "Identification of Optimized Target Sequences for the GLI3 Zinc Finger Protein," <u>DNA Cell Biol.</u> , 14(7):629-634 (1995).		
<input type="checkbox"/> EN	Whyatt et al., "The two zinc finger-like domains of GATA-1 have different DNA binding specificities," <u>EMBO J.</u> , 12(13):4993-5005 (1993).		
<input type="checkbox"/> EO	Witzgall et al., "The Kruppel-associated box-A (KRAB-A) domain of zinc finger proteins mediates transcriptional repression," <u>PNAS</u> , 91:4514-4518 (1994).		
<input type="checkbox"/> EP	Wu et al., "Building zinc fingers by selection: Toward a therapeutic application," <u>PNAS</u> , 92:344-348 (1995).		
<input checked="" type="checkbox"/> EQ	Yang et al., "Surface plasmon resonance based kinetic studies of zinc finger-DNA interactions," <u>J. Immunol. Methods</u> , 183:175-182 (1995).		
EXAMINER <u><i>Donald A. Lepp</i></u> DATE CONSIDERED <u>8-26-01</u>			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.